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SECURITY INFORMATION

Chief, General Services 15 October 1952
ATTN : Chief, Building Maintenance and Utilities Division
Administrative Officer, FBID

Emergency Planning Construction

REF : a. Memorandum of Authorization dated 4 June 1952, subject: Estimated Cost of Stand-by Equipment and Supplies for Emergency Use [redacted] 50X1
[redacted] 50X1

b. Project No 6101-00

1. The enclosed plans and outline specifications cover construction and installation necessary to procure the miscellaneous items indicated in reference a which consist principally of the installation of :

a. Underground storage for gasoline

b. Emergency generator set, alternate

c. Supplementary hot water heater.

2. It is requested that your office procure the necessary equipment and materials and services or contract generally for the completed work as outlined in the enclosures. Any possible deviations in design from those indicated should be discussed with [redacted] Chief Engineer, FBID [redacted] 50X1
50X1

3. It will be noted in reference a (copy attached) that $3865.00 is available for this work.

4. It is requested the enclosed copy of reference a be returned to FBID when it has served your purposes.

FOR THE CHIEF, FBID

[redacted] 50X1

Enclosures:
Plans and Specs for Gasoline Storage Installation
Plans and Specs for Supplementary Generator Set Installation
Plans and Specs for Supplementary Hot Water Heater Installation
Signed copy Ref. a
cc: Chief Engineer, FBID
Chief, East Coast Bureau

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Plans and Outline Specifications for Gasoline Storage Installation

A. Materials Required

1. Five hundred gallon tar-coated tank for underground storage of gasoline motor fuel.

2. Electric motor driven metering gasoline pump to operate on 110 volt, 60 cycle, A.C. service.

3. Necessary pipe, fittings, gasoline foot valve, etc., for connection of gasoline pump to underground storage tank and to provide vent and filler pipe for tank.

4. Necessary lead covered electric cable and fittings to provide electric power connection for gasoline pump from adjacent garage.

5. Miscellaneous cement and aggregate for tank cradles, if required, and for pump base.

B. Installation

1. The 500 gallon tarred gasoline tank should be installed between the parking mat and the underground water line in the space indicated on attached print. The filler pipe may protrude out of the ground about one foot to prevent water from melting snows from leaking into the tank and to aid in location of such opening at all times. It would be preferable if the filler pipe were projected directly upward from the top of the tank to aid in measuring tank contents.

2. The electric motor driven metering gasoline pump should be located approximately 35 feet from the east edge of the garage as indicated on the plan to provide necessary turning radius for vehicles being refueled.

3. Tank may be vented by extending vent pipe to northeast corner of garage. Appropriate gasoline fuel foot valve should be provided in pump line in tank to eliminate need for frequent priming of pump.

4. The electric feed line to the gasoline pump may be picked up in the garage. A separate switch should be provided within the garage in the northeast corner so that pump may be disconnected electrically. The electric feed line to the pump should be via lead-covered cable in conduit all the way from switch box in garage to junction box in base of pump.

ENCLOSURE 1

Plans and Outline Specifications for Supplementary Generator Set Installation

A. Materials Required

1. Transfer Switches. Power load line from Operations Building to be reterminated in cabinet C (see attached plan). Cabinet C shall contain two 120 ampere, 250 volt, three pole, 4 wire, grounded neutral, safety switches, one of which shall be connected in the line from each of the two generator sets. It is intended that either one or both of the generator sets may be connected independently to the load by the transfer switches in cabinet C.

2. Copper fuel line and fittings. Appropriate copper fuel lines shall be connected separately from each generator set to the underground fuel tank for drawing fuel, but a common fuel overflow line back to the tank may be used.

3. Miscellaneous exhaust line and fittings, asbestos lining to cover mufflers and exhaust lines within the building, 2 louvered air exhaust grills of the automatic opening and closing type, and electrical fixtures and conduit for lighting and generator output connections to transfer switches.

4. Double door set for opening about 5'5" wide. This item to include metal door frame and doors.

5. Miscellaneous cement, aggregate, floor reinforcing mesh, bolts for generator hold-down on mats, expansion joint material, lumber or metal for air ducts, etc.

B. Installation

1. Connection to load lines at a temporary position of the alternate generator set will be required before the generator set now in the generator house can be moved from the building.

2. Remove existing generator set.

3. Break up generator house floor and rebuild with two generator mats per attached plans. This involves:

a. Laying new fuel and fuel overflow lines to tank in floor before pouring concrete.

b. Laying new electric conduit before pouring concrete.

ENCLOSURE 2

c. Building 2 new generator mats in place before pouring floor.

d. Laying new waste lube oil drainage lines before pouring concrete.

4. The present automatic starting generator set will be reinstalled on the west mat (rear of generator house). The automatic/manual switch box must be moved from its present location on north wall to location shown on attached plan.

5. Move battery charger to location shown on north wall and provide conduits from it to battery rack positions for battery charging lines.

6. Provide necessary lights at proper locations. Tie into existing lighting system. Old lights may be removed and reclaimed. See attached plan.

7. Exhaust pipes protruding through south wall should have 45 degree elbows on ends and elbows should be so adjusted as to direct exhaust downward and to the west.

Plans and Outline Specifications for Supplementary Hot Water Heater Installation

A. Materials Required

1. Electric 120 gallon, 230 volt A.C. hot water heater.

2. Copper water pipe and fittings for water connections and three non-ferrous water valves.

3. Circuit breaker of proper rating mounted in cabinet, for manual and overload operation.

4. Necessary conduit and wire for electrical connections.

B. Installation

1. The electric hot water heater is to be connected in series with an existing heater at location shown on attached plan. The existing heater will be used as a pre-heater when both tanks are used at one time.

2. All valves will be installed at one location for convenience in operation.

3. Circuit breaker will be installed at same general location as the three water valves to facilitate operation.

ENCLOSURE 3